

#2

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/921,180

DATE: 08/09/2001

TIME: 14:39:24

Input Set : A:\00-57.SEQ.txt

Output Set: N:\CRF3\08092001\I921180.raw

4 <110> APPLICANT: Holloway, James L.
 6 <120> TITLE OF INVENTION: Zcys9: A member of the cystatin
 7 superfamily
 9 <130> FILE REFERENCE: 00-57
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/921,180
 C--> 11 <141> CURRENT FILING DATE: 2001-08-02
 11 <160> NUMBER OF SEQ ID NOS: 4
 13 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 15 <210> SEQ ID NO: 1
 16 <211> LENGTH: 396
 17 <212> TYPE: DNA
 18 <213> ORGANISM: Homo sapiens
 20 <220> FEATURE:
 21 <221> NAME/KEY: CDS
 22 <222> LOCATION: (1)...(396)
 24 <400> SEQUENCE: 1
 25 atg ggc agg ctt agc aac tgc ttc tgc tct tca gga act ggc tca cca 48
 26 Met Gly Arg Leu Ser Asn Cys Phe Cys Ser Ser Gly Thr Gly Ser Pro
 27 1 5 10 15
 29 gag gtc tca gag att tct ttt tcc ctg gtg agc ctt aca tgc act ata 96
 30 Glu Val Ser Glu Ile Ser Phe Ser Leu Val Ser Leu Thr Cys Thr Ile
 31 20 25 30
 33 att cgt aga cat cag tat ttt gtg gca tca atg gag ttt gct gtg gct 144
 34 Ile Arg Arg His Gln Tyr Phe Val Ala Ser Met Glu Phe Ala Val Ala
 35 35 40 45
 37 cag ttc aat gag gac aat atg gaa gag tac acg cac agg cct att tat 192
 38 Gln Phe Asn Glu Asp Asn Met Glu Glu Tyr Thr His Arg Pro Ile Tyr
 39 50 55 60
 41 atg aca tgc aca tgg cag cct ttt atc cac ttt cct att tgt ttc tat 240
 42 Met Thr Cys Thr Trp Gln Pro Phe Ile His Phe Pro Ile Cys Phe Tyr
 43 65 70 75 80
 45 ttg gag atg ggc ctc aca att tgt aaa aaa tat gat gaa gac att gac 288
 46 Leu Glu Met Gly Leu Thr Ile Cys Lys Lys Tyr Asp Glu Asp Ile Asp
 47 85 90 95
 49 aat tgc cca ttg caa gaa ggc tca gca gag aaa aag gta tac tgc aca 336
 50 Asn Cys Pro Leu Gln Glu Gly Ser Ala Glu Lys Lys Val Tyr Cys Thr
 51 100 105 110
 53 ttt gtc atg gat gcc cga cct tgg ttt tcc cag ttc aac ctc cta aac 384
 54 Phe Val Met Asp Ala Arg Pro Trp Phe Ser Gln Phe Asn Leu Leu Asn
 55 115 120 125
 57 atc acc tgt aat 396
 58 Ile Thr Cys Asn
 59 130
 61 <210> SEQ ID NO: 2
 62 <211> LENGTH: 132
 63 <212> TYPE: PRT
 64 <213> ORGANISM: Homo sapiens

ENTERED

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66 <400> SEQUENCE: 2

```

67 Met Gly Arg Leu Ser Asn Cys Phe Cys Ser Ser Gly Thr Gly Ser Pro
68 1 5 10 15
69 Glu Val Ser Glu Ile Ser Phe Ser Leu Val Ser Leu Thr Cys Thr Ile
70 20 25 30
71 Ile Arg Arg His Gln Tyr Phe Val Ala Ser Met Glu Phe Ala Val Ala
72 35 40 45
73 Gln Phe Asn Glu Asp Asn Met Glu Glu Tyr Thr His Arg Pro Ile Tyr
74 50 55 60
75 Met Thr Cys Thr Trp Gln Pro Phe Ile His Phe Pro Ile Cys Phe Tyr
76 65 70 75 80
77 Leu Glu Met Gly Leu Thr Ile Cys Lys Lys Tyr Asp Glu Asp Ile Asp
78 85 90 95
79 Asn Cys Pro Leu Gln Glu Gly Ser Ala Glu Lys Lys Val Tyr Cys Thr
80 100 105 110
81 Phe Val Met Asp Ala Arg Pro Trp Phe Ser Gln Phe Asn Leu Leu Asn
82 115 120 125
83 Ile Thr Cys Asn
84 130

```

86 <210> SEQ ID NO: 3

87 <211> LENGTH: 396

88 <212> TYPE: DNA

89 <213> ORGANISM: Artificial Sequence

91 <220> FEATURE:

92 <223> OTHER INFORMATION: This degenerate nucleotide sequence encodes the amino acid sequence of SEQ ID NO:2.

95 <221> NAME/KEY: misc_feature

96 <222> LOCATION: (1)...(396) ✓

97 <223> OTHER INFORMATION: n = A,T,C or G

99 <400> SEQUENCE: 3

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W--> 100 atgggnmgny tnwsnaaytg ytttygywsn wsnggnacng gnwsnccnga rgtwnsngar 60
W--> 101 athwsnttyw snytngtnws nytnacntgy acnathathm gnmgncaayca rtayttygtn 120
W--> 102 gcwnsnatgg arttygcngt ngcncartty aaygargaya ayatggarga rtayacncay 180
W--> 103 mgncnatht ayatgacntg yacntggcar ccnttyathc ayttyccnat htgyttytay 240
W--> 104 ytngaratgg gnytnacnat htgyaaraar taygaygarg ayathgayaa ytgycnytn 300
W--> 105 cargarggnw sngcngaraa raargtntay tgyacnttyg tnatggaygc nmgnccntgg 360
W--> 106 ttywsncart tyaaaytnt naayathacn tgyaay 396

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108 <210> SEQ ID NO: 4

109 <211> LENGTH: 16

110 <212> TYPE: PRT

111 <213> ORGANISM: Artificial Sequence ✓

113 <220> FEATURE:

114 <223> OTHER INFORMATION: Peptide linker. ✓

116 <400> SEQUENCE: 4

```

117 Gly Gly Ser Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
118 1 5 10 15

```

VERIFICATION SUMMARY

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Input Set : A:\00-57.SEQ.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3